

ABSTRACT OF THE DISCLOSURE

Improved molecularly imprinted polymers (MIPs) with both higher and more specific binding capacity for particular bile acids and/or salts, including the synthesis of such MIPs, the compounds themselves, and specific applications thereof. As an example of a particularly preferred specific application of these compounds, the present invention encompasses the use of the MIPs as sequestrants in the gastrointestinal tract, particularly in order to bind and therefore remove toxins from the gastrointestinal tract. In addition, the present invention is also useful for treatment of various diseases which are related to, and/or characterized by, an effect of bile acids and salts, such as atherosclerosis, liver disease and various diseases of the gastrointestinal tract. The MIP compounds of the present invention are also useful for combination therapy with other medications and for diagnosis and monitoring of diseases.